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INTRODUCTORY COMMENTS

This communication is in response to the Office Action dated September 14, 2004. This communication does not include amendments to the claims.

Claim History Summary:

Claims 1-31 were originally filed.

Claims 1-31 were rejected (OA 09/14/04).

Claim Summary of Present Response:

Claims 1-6, 9-10, 12-13, 15-17 and 19-31 are currently amended.

Claims 1-31 are pending.

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Detailed Listing of All Claims 1-31:

1 (Currently amended). A method executing on a computer-readable medium comprising:

receiving an initial code associated with a bytecode framework, the bytecode framework having an object hierarchy; and

converting the initial code to a converted code that combines the object hierarchy of the bytecode framework with an object hierarchy of an intermediate language code framework.

2 (Currently amended). The method of claim 1 wherein the converting produces a class that inherits from a class of the bytecode framework.

3 (Currently amended). The method of claim 2 wherein the class of the bytecode framework comprises a superclass of the bytecode framework.

4 (Currently amended). The method of claim 2 wherein the class of the bytecode framework comprises a superclass named `java.lang.Object`.

5 (Currently amended). The method of claim 2 wherein the class of the intermediate language code framework comprises an array class.

6 (Currently amended). The method of claim 2 wherein the class of the intermediate language code framework comprises an array class named `System.Array`.

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2 7 (Original). The method of claim 1 wherein the converting includes
3 creating a new class.
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5 8 (Original). The method of claim 7 wherein the new class inherits from
6 java.lang.Object and from System.Array.
7

8 9 (Currently amended). A computer-readable medium storing computer-
9 executable instructions to convert an initial code associated with a bytecode
10 framework, the bytecode framework having an object hierarchy, to a converted
11 code that combines the object hierarchy of the bytecode framework with an object
12 hierarchy of an intermediate language code framework.
13

14 10 (Currently amended). A method executing on a computer-readable
15 medium comprising:

16 receiving an initial code associated with a bytecode framework, the
17 bytecode framework having an exception hierarchy; and

18 converting the initial code to a converted code that combines the exception
19 hierarchy of the bytecode framework with an exception hierarchy of an
20 intermediate language code framework.
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22 11 (Original). The method of claim 10 wherein the converting includes
23 mapping exceptions.
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1 12 (Currently amended). A computer-readable medium storing computer-
2 executable instructions to convert an initial code associated with a bytecode
3 framework, the bytecode framework having an exception hierarchy, to a converted
4 code that combines the exception hierarchy of the bytecode framework with an
5 exception hierarchy of an intermediate language code framework.

6
7 13 (Currently amended). A method executing on a computer-readable
8 medium comprising:

9 receiving an initial code associated with a bytecode framework, the
10 bytecode framework having an exception hierarchy; and

11 converting the initial code to a converted code that maps the exception
12 hierarchy of the bytecode framework to an exception hierarchy of an intermediate
13 language code framework.

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15 14 (Original). The method of claim 13 wherein the converting includes
16 combining exception hierarchies.

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18 15 (Currently amended). A computer-readable medium storing computer-
19 executable instructions to convert an initial code associated with a bytecode
20 framework, the bytecode framework having an exception hierarchy, to a converted
21 code that maps the exception hierarchy of the bytecode framework with an
22 exception hierarchy of an intermediate language code framework.

23
24 16 (Currently amended). A method executing on a computer-readable
25 medium comprising:

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1 receiving an initial code associated with a bytecode framework, the
2 bytecode framework having reflection transparency; and

3 converting the initial code to a converted code that supports the reflection
4 transparency of the bytecode framework on an intermediate language code
5 framework.

6
7 17 (Currently amended). The method of claim 16 wherein the converting
8 includes checking for methods associated with the reflection transparency of the
9 bytecode framework.

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11 18 (Original) The method of claim 16 wherein the converting includes
12 rendering a stack entry transparent.

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14 19 (Currently amended). A computer-readable medium storing computer-
15 executable instructions to convert an initial code associated with a bytecode
16 framework, the bytecode framework having reflection transparency, to a converted
17 code that supports the reflection transparency of the bytecode framework on an
18 intermediate language code framework.

19
20 20 (Currently amended). A method executing on a computer-readable
21 medium comprising:

22 receiving an initial code associated with a bytecode framework, the
23 bytecode framework having scoping; and

24 converting the initial code to a converted code that supports the scoping of
25 the bytecode framework on an intermediate language code framework.

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2 21 (Currently amended). The method of claim 20 wherein the converting
3 includes marking a package scope and a protected scope associated with the
4 bytecode framework as a public scope on the intermediate language code
5 framework.

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7 22 (Currently amended). The method of claim 20 wherein the converting
8 includes marking a package scope associated with the bytecode framework as an
9 assembly on the intermediate language code framework.

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11 23 (Currently amended). The method of claim 20 wherein the converting
12 includes marking a protected scope associated with the bytecode framework as an
13 assembly or a family on the intermediate language code framework.

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15 24 (Currently amended). The method of claim 20 wherein the converting
16 includes marking, the marking selected from a member of the group consisting of
17 marking a protected scope associated with the bytecode framework as an assembly
18 or a family on the intermediate language code framework; marking a package
19 scope associated with the bytecode framework as an assembly on the intermediate
20 language code framework; marking a package scope and a protected scope
21 associated with the bytecode framework as a public scope on the intermediate
22 language code framework; and combinations thereof.

23
24 25 (Currently amended). A computer-readable medium storing computer-
25 executable instructions to convert an initial code associated with a bytecode

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1 framework, the bytecode framework having scoping, to a converted code that
2 supports the scoping of the bytecode framework on an intermediate language code
3 framework.

4
5 26 (Currently amended). A method executing on a computer-readable
6 medium comprising:

7 receiving an initial code associated with a bytecode framework, the
8 bytecode framework having type characteristics; and

9 converting the initial code to a converted code that supports the type
10 characteristics of the bytecode framework on an intermediate language code
11 framework.

12
13 27 (Currently amended). The method of claim 26 wherein the converting
14 supports type characteristics of the bytecode framework related to casting between
15 real and integer types on the intermediate language code framework.

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17 28 (Currently amended). The method of claim 26 wherein the converting
18 supports type characteristics of the bytecode framework related to overflow and
19 undefined types on the intermediate language code framework.

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21 29 (Currently amended). A computer-readable medium storing computer-
22 executable instructions to convert an initial code associated with a bytecode
23 framework, the bytecode framework having type characteristics, to a converted
24 code that supports the type characteristics of the bytecode framework on an
25 intermediate language code framework.

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2 30 (Currently amended). A method executing on a computer-readable
3 medium comprising:

4 receiving an initial code associated with a bytecode framework, the
5 bytecode framework having at least one member selected from the group
6 consisting of object hierarchies, exception hierarchies, type characteristics,
7 reflection transparencies, and scoping; and

8 converting the initial code to a converted code that supports at least one of
9 the selected members on an intermediate language code framework.
10

11 31 (Currently amended). A computer-readable medium storing computer-
12 executable instructions to convert an initial code associated with a bytecode
13 framework, the bytecode framework having at least one member selected from the
14 group consisting of object hierarchies, exception hierarchies, type characteristics,
15 reflection transparencies, and scoping, to a converted code that supports at least
16 one of the selected members of the bytecode framework on an intermediate
17 language code framework.
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